

Patent
Attorney's Docket No. 028723-060

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

GRAY et al

Application No.: 08/477,316

Filed: June 7, 1995

For: CHROMOSOME-SPECIFIC STAINING
TO DETECT GENETIC
REARRANGEMENTS (AS AMENDED)

Group Art Unit: 1631

Examiner: A. Marschel

#34/F

Plunkett

8/27/01

FAX received
AM, 8-27-01**AMENDMENT**Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Please amend the above-cited application as follows:

IN THE SPECIFICATION

Please replace the title of the application with the amended title shown below:

CHROMOSOME-SPECIFIC STAINING TO DETECT GENETIC REARRANGEMENTS**IN THE CLAIMS**

Please replace claims 1, 48 and 50 with the amended claims shown below:

1. (Five times Amended) A method of staining targeted interphase chromosomal material based upon a nucleic acid segment employing a unique sequence high complexity nucleic acid probe of greater than about 50,000 bases, wherein said targeted chromosomal material is a genetic rearrangement associated with at least one chromosome in humans, said method comprising employing said chromosomal material and a unique sequence high complexity nucleic acid probe of greater than about 50,000 bases in *in situ* hybridization,